

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

09/700,179B

Source:

FEW16

Date Processed by STIC:

1-21-05

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IFW16

RAW SEQUENCE LISTING

DATE: 01/21/2005

PATENT APPLICATION: US/09/700,179B

TIME: 12:51:16

Input Set : A:\17227193.app

Output Set: N:\CRF4\01212005\I700179B.raw

3 <110> APPLICANT: MASCI, PANTALEONE PAUL
 4 LAVIN, MARTIN FRANCIS
 5 GAFFNEY, PATRICK JOSEPH
 6 SOROKINA, NATALYA IGOREVNA
 7 FILIPPOVICH, IGOR VLADIMIROVICH
 9 <120> TITLE OF INVENTION: PLASMIN INHIBITORS FROM THE AUSTRALIAN BROWN SNAKE
 10 PSEUDONAJA TEXTILIS TEXTILIS
 12 <130> FILE REFERENCE: 017227-0193
 14 <140> CURRENT APPLICATION NUMBER: 09/700,179B
 15 <141> CURRENT FILING DATE: 2001-07-27
 17 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00343
 18 <151> PRIOR FILING DATE: 1999-05-07
 20 <150> PRIOR APPLICATION NUMBER: AU PP3450
 21 <151> PRIOR FILING DATE: 1999-05-11
 23 <160> NUMBER OF SEQ ID NOS: 70
 25 <170> SOFTWARE: PatentIn Ver. 3.3
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 180
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Pseudonaja textilis
 32 <220> FEATURE:
 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)..(180)
 36 <220> FEATURE:
 37 <221> NAME/KEY: mat_peptide
 38 <222> LOCATION: (1)..(180)
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 42 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
 43 1 5 10 15
 45 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa aaa aag tgc 96
 46 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
 47 20 25 30
 49 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc 144
 50 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
 51 35 40 45
 53 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga 180
 54 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
 55 50 55
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 59
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Pseudonaja textilis

(PS.6)

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63 <400> SEQUENCE: 2

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64 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
65   1           5           10           15
67 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
68           20           25           30
70 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
71           35           40           45
73 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
74   50           55

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77 <210> SEQ ID NO: 3

78 <211> LENGTH: 180

79 <212> TYPE: DNA

80 <213> ORGANISM: Pseudonaja textilis

82 <220> FEATURE:

83 <221> NAME/KEY: CDS

84 <222> LOCATION: (1)..(180)

86 <220> FEATURE:

87 <221> NAME/KEY: mat_peptide

88 <222> LOCATION: (1)..(180)

90 <400> SEQUENCE: 3

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91 aag gac cgt cca gag ttg tgt gaa ctg cct cct gac acc gga cca tgt   48
92 Lys Asp Arg Pro Glu Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys
93   1           5           10           15
95 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa caa aaa tgc   96
96 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
97           20           25           30
99 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc  144
100 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
101           35           40           45
103 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga   180
104 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
105   50           55

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108 <210> SEQ ID NO: 4

109 <211> LENGTH: 59

110 <212> TYPE: PRT

111 <213> ORGANISM: Pseudonaja textilis

113 <400> SEQUENCE: 4

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114 Lys Asp Arg Pro Glu Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys
115   1           5           10           15
117 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
118           20           25           30
120 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
121           35           40           45
123 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
124   50           55

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127 <210> SEQ ID NO: 5

128 <211> LENGTH: 180

129 <212> TYPE: DNA

130 <213> ORGANISM: Pseudonaja textilis

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Input Set : A:\17227193.app

Output Set: N:\CRF4\01212005\I700179B.raw

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132 <220> FEATURE:
133 <221> NAME/KEY: CDS
134 <222> LOCATION: (1)..(180)
136 <220> FEATURE:
137 <221> NAME/KEY: mat_peptide
138 <222> LOCATION: (1)..(180)
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141 aag gac cgt cca aat ttc tgt aaa ctg cct gct gaa acc gga cga tgt      48
142 Lys Asp Arg Pro Asn Phe Cys Lys Leu Pro Ala Glu Thr Gly Arg Cys
143   1               5               10               15
145 aat gcc aaa atc cca cgc ttc tac tac aac cca cgt caa cat caa tgc      96
146 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
147   20               25               30
149 ata gag ttt ctc tat ggt gga tgc gga ggg aat gct aac aat ttt aag      144
150 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
151   35               40               45
153 acc att aag gaa tgc gaa agc acc tgt gct gca tga                        180
154 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
155   50               55
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 59
160 <212> TYPE: PRT
161 <213> ORGANISM: Pseudonaja textilis
163 <400> SEQUENCE: 6
164 Lys Asp Arg Pro Asn Phe Cys Lys Leu Pro Ala Glu Thr Gly Arg Cys
165   1               5               10               15
167 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
168   20               25               30
170 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
171   35               40               45
173 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
174   50               55
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 180
179 <212> TYPE: DNA
180 <213> ORGANISM: Pseudonaja textilis
182 <220> FEATURE:
183 <221> NAME/KEY: CDS
184 <222> LOCATION: (1)..(180)
186 <220> FEATURE:
187 <221> NAME/KEY: mat_peptide
188 <222> LOCATION: (1)..(180)
190 <400> SEQUENCE: 7
191 aag gac cat cca aaa ttc tgt gaa ctc cct gct gaa acc gga tca tgt      48
192 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
193   1               5               10               15
195 aaa ggc aac gtc cca cgc ttc tac tac aac gca gat cat cat caa tgc      96
196 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
197   20               25               30

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199 cta aaa ttt att tat ggt gga tgt gga ggg aat gct aac aat ttt aag      144
200 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
201          35          40          45
203 acc ata gag gaa ggc aaa agc acc tgt gct gcc tga      180
204 Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala
205          50          55
208 <210> SEQ ID NO: 8
209 <211> LENGTH: 59
210 <212> TYPE: PRT
211 <213> ORGANISM: Pseudonaja textilis
213 <400> SEQUENCE: 8
214 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
216 1          5          10          15
218 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
219          20          25          30
221 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
222          35          40          45
224 Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala
225          50          55
228 <210> SEQ ID NO: 9
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231 <213> ORGANISM: Pseudonaja textilis
233 <220> FEATURE:
234 <221> NAME/KEY: CDS
235 <222> LOCATION: (1)..(180)
237 <220> FEATURE:
238 <221> NAME/KEY: mat_peptide
239 <222> LOCATION: (1)..(180)
241 <400> SEQUENCE: 9
242 aag gac cgt cca aaa ttc tgt gaa ctg ctt cct gac acc gga tca tgt      48
243 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
244 1          5          10          15
246 gaa gac ttt acc gga gcc ttc cac tac agc aca cgt gat cgt gaa tgc      96
247 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
249          20          25          30
251 ata gag ttt att tat ggt gga tgc gga ggg aat gct aac aat ttt atc      144
252 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
253          35          40          45
255 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga      180
256 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
257          50          55
260 <210> SEQ ID NO: 10
261 <211> LENGTH: 59
262 <212> TYPE: PRT
263 <213> ORGANISM: Pseudonaja textilis
265 <400> SEQUENCE: 10
266 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
267 1          5          10          15

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Input Set : A:\17227193.app

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269 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
270          20          25          30
272 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
273          35          40          45
275 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
276          50          55
279 <210> SEQ ID NO: 11
280 <211> LENGTH: 180
281 <212> TYPE: DNA
282 <213> ORGANISM: Pseudonaja textilis
284 <220> FEATURE:
285 <221> NAME/KEY: CDS
286 <222> LOCATION: (1)..(180)
288 <220> FEATURE:
289 <221> NAME/KEY: mat_peptide
290 <222> LOCATION: (1)..(180)
292 <400> SEQUENCE: 11
293 aag gac cgt cca aag ttc tgt gaa ctg cct gct gac atc gga cca tgg      48
294 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
295   1          5          10          15
297 gat gac ttt acc gga gcc ttc cac tac agc cca cgt gaa cat gaa tgc      96
298 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
299          20          25          30
301 ata gag ttt att tat ggt gga tgc aaa ggg aat gct aac aac ttt aat     144
302 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
303          35          40          45
305 acc caa gag caa tgc gaa agc acc tgt gct gcc tga                        180
306 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
307          50          55
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311 <211> LENGTH: 59
312 <212> TYPE: PRT
313 <213> ORGANISM: Pseudonaja textilis
315 <400> SEQUENCE: 12
316 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
317   1          5          10          15
319 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
320          20          25          30
322 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
323          35          40          45
325 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
326          50          55
329 <210> SEQ ID NO: 13
330 <211> LENGTH: 72
331 <212> TYPE: DNA
332 <213> ORGANISM: Pseudonaja textilis
334 <220> FEATURE:
335 <221> NAME/KEY: sig_peptide
336 <222> LOCATION: (1)..(72)

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/700,179B

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Input Set : A:\17227193.app
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 21
Seq#:45; Xaa Pos. 3,5,6,8,10,11,12,13,15,17,18,19,20,21,22,24,26,27,28,29
Seq#:45; Xaa Pos. 30,31,33,34,36,41,42,48,50
Seq#:50; N Pos. 177
Seq#:52; N Pos. 177
Seq#:67; Xaa Pos. 3,5,6,8,10,11,12,13,15,17,18,19,20,21,22,24,26,27,28,29
Seq#:67; Xaa Pos. 30,31,33,34,36,41,42,48,50

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1

VERIFICATION SUMMARY

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Input Set : A:\17227193.app

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L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
M:341 Repeated in SeqNo=45
L:1346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:144
L:1398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:144
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
M:341 Repeated in SeqNo=67